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DECLASSIFICATION REVIEW by NIMA/DOD 3/17/00

Route

~~TOP SECRET CHIEC~~

TCS No. 1483/04
IB No. 117/04
10 March 1984
Copy _____

25X1A

MEMORANDUM FOR: [REDACTED] D/CH, Collection Guidance Staff
ATTENTION : [REDACTED] OBI
THROUGH : Chief, Requirements Branch, Reconnaissance Group, CCS
FROM : Chief, CI/PID (NPIC)
SUBJECT : Road Study of Route 23, Laos
REFERENCES : (1) DOI Requirement No. C-DI4-51,092
 (2) CIA/PID Project No. C 350/04

1. This memorandum is a partial answer to the above referenced requirement which requested a detailed study of Route 23 in Laos.

2. Route 23 lies roughly along the north-south axis of Laos and connects the main, east-west road (National Route 9) of central Laos with Attapeu in the southern part of the country. The length of Route 23 is approximately 255 kilometers from Muong Phine (10 32N - 106 01E) to Attapeu (14 40N - 103 50E). Adequate photo coverage for a detailed study of the road is not presently available; however, photographs of a few kilometers at each end of the route show that the roadway is single lane, earth and possibly part gravel surfaced, and varies from improved in the north to unimproved and under construction in the south.

3. In this study, due to the layout of the road, Route 23 was divided into four sections and each is discussed separately as follows:

a. Junction with Route 9 at Muong Phine (10 32N - 106 01E) to Savavane (14 42N - 103 25E) is approximately 125 km in length. Analysis of photography taken on the route immediately south of Muong Phine indicates that this section is a fairly good, single lane (7-10 ft wide), graded, earth or possibly gravel surfaced road. However, the greater part of this road section could not be studied in detail because of obliquity, but the alignment was plotted. The terrain over which the road traverses is in general densely forested and appears to be quite rugged, crossing a spur of the Chaîne Annamitique Mountains between the Se Bang Hieng and the Se Pone Rivers. Bridges over these rivers were observed, but details could not be obtained from photography.

S-12253

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SUBJECT: Road Study of Route 23, Laos

b. Saravane (15 42N - 106 25E) to Ban Thateng (15 25N - 106 23E) is approximately 45 km in length. Complete photo coverage of this section of the route is not available. For about 25 kilometers south of Saravane, the alignment could be marked, but road conditions could not be determined because of obliquity. South of Saravane, the route leaves the Se Pone Valley and crosses the Plateau de Bolovens which appears to be heavily forested and dissected by numerous tributaries.

c. Ban Thateng (15-25N - 106 23E) to Ban Phone (15 24N - 106 34E) is approximately 40 km in length. No photo coverage is available for this section of the road.

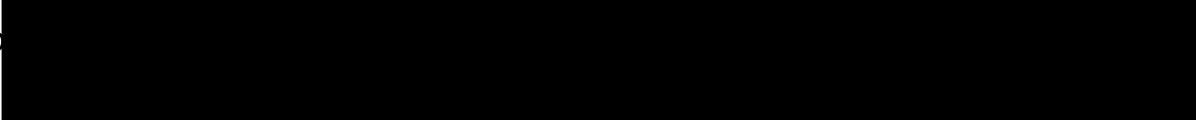
25X1D
25X1D

d. Ban Phone (15 24N - 106 34E) to Attapeu (14 48N - 106 50E) is approximately 85 km in length. Only the southernmost 17-20 kilometers from Attapeu north could be studied with any degree of detail. The route proceeds northwest from Attapeu for approximately 8 kilometers as a well improved, two lane [REDACTED] road. At that point, the route turns sharply to the northeast, narrows to [REDACTED], and, in a short distance, deteriorates to an unimproved, single lane road. Along this section of the road, considerable construction and improvement activity was being carried on. The remainder of the route to Ban Phone could only be checked at intervals through heavy cloud cover, and the alignment roughly plotted. The route along which this section of the road traverses is restricted to the Se Kong Valley, around the foot of the Plateau de Bolovens. The road is very crooked and has numerous streams to cross.

4. Specific bottlenecks along Route 23 can not be commented on at this time because of the poor coverage over the area. The construction work at the south end of the route, restrictions on the alignment due to the terrain, and the numerous stream crossings are the major traffic deterrents noted.

5. A possible maintenance area was noted at the junction of Routes 9 and 23 (16 32N - 106 01E). No other maintenance or POL storage areas were found on the photography.

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25X1A _____ who may be contacted on extension 2545, should questions arise concerning this requirement. This memorandum is considered a partial answer to the requirement.

ENCLOSURES:

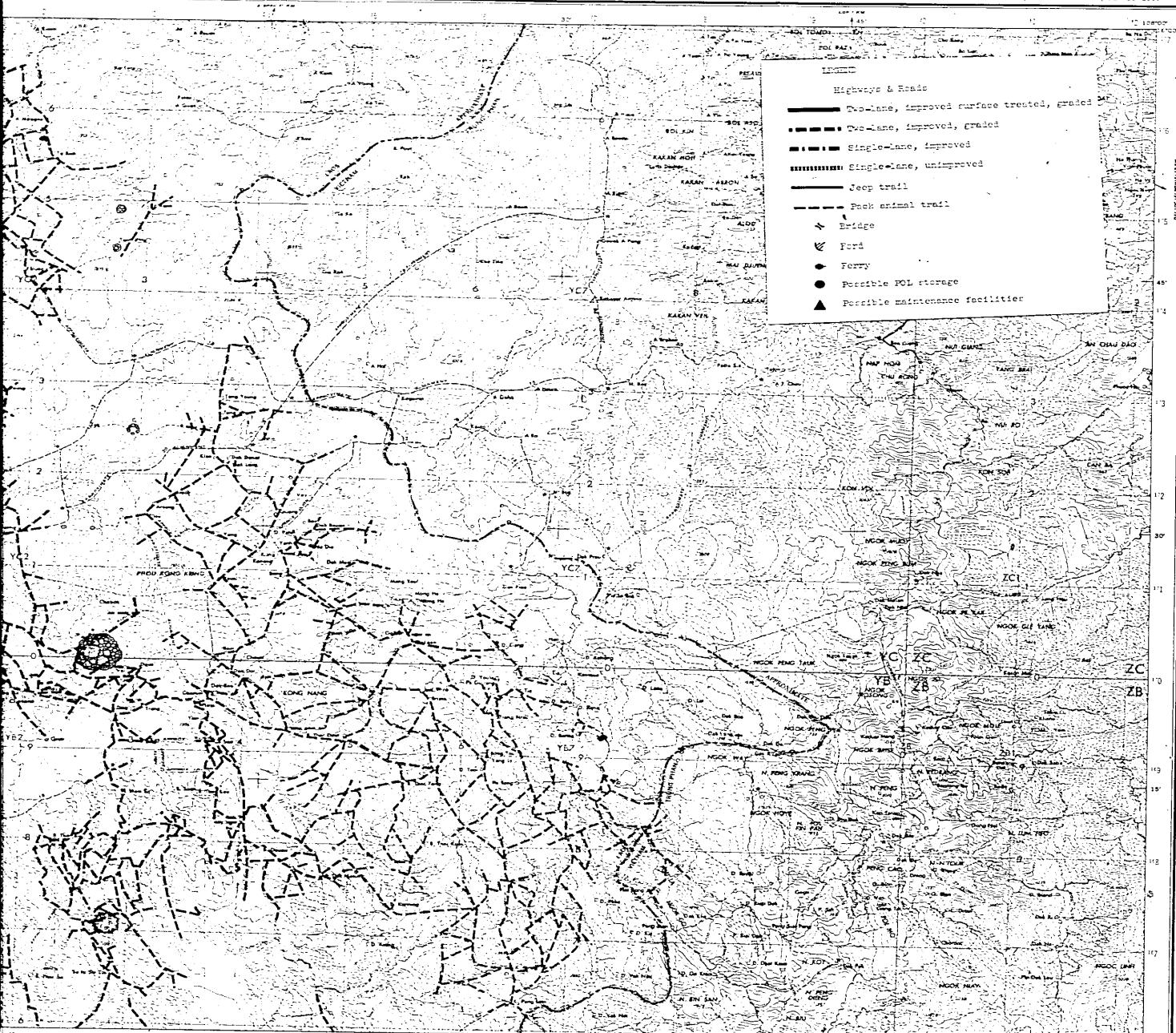
4 Annotated Maps
(CIA/PID/IB-P-429/04, 438/04, 439/04
and P-440/04)

BEN GIANG

EDITION 2-AMS

REFER TO THIS MAP AS
ND 484
SERIES 1-62

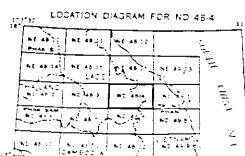
SERIAL 100
SHEET NO 44
TOWNSHIP 45



TOP SECRET - CHESS

Scale 1:250,000

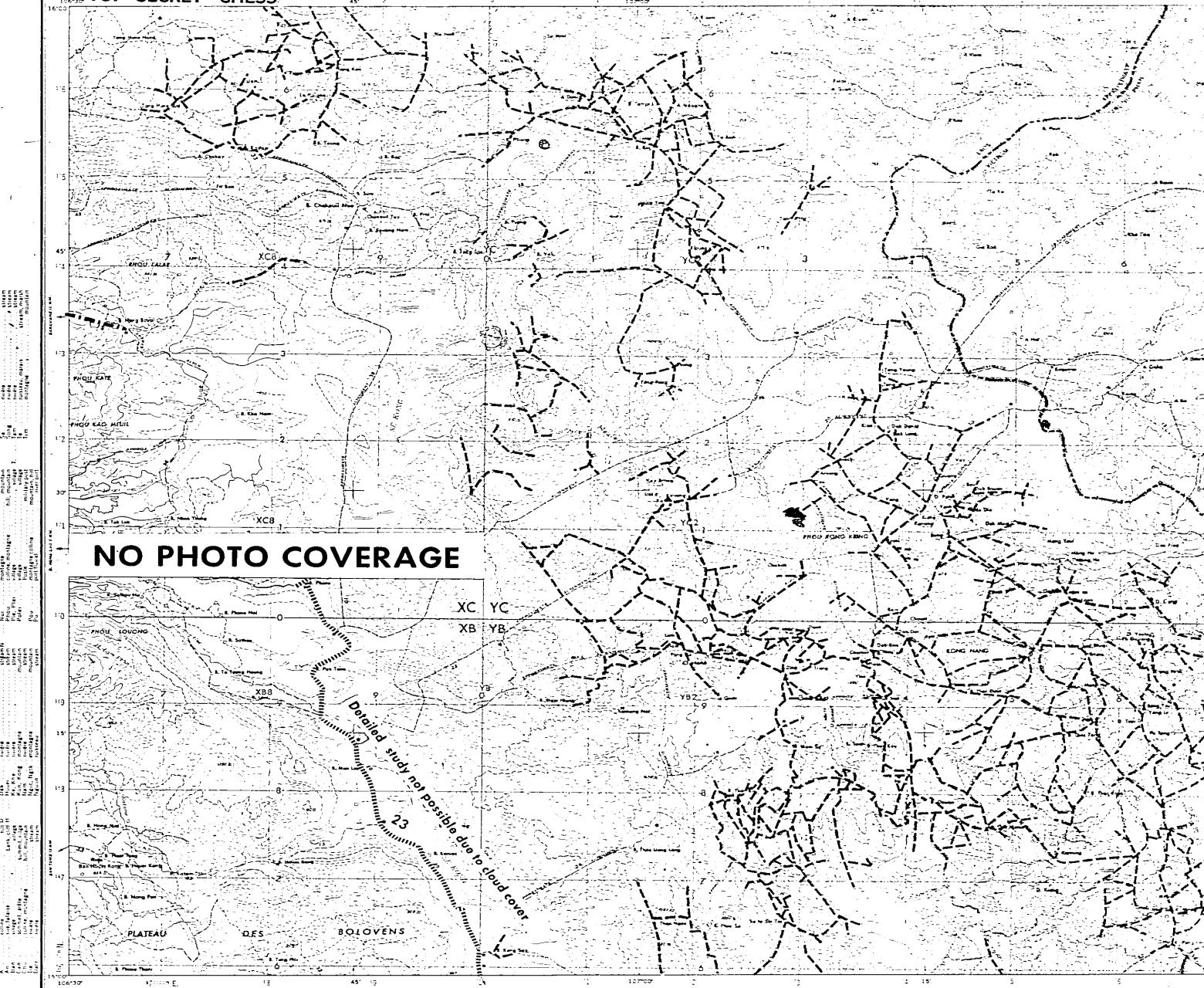
CONTOUR INTERVAL 100 METERS WITH SUPPLEMENTARY CONTOURS AT 50 METER INTERVALS
TRANSVERSE MERCATOR PROJECTION
NORTH DIRECTION INDICATED BY THE VERTICAL LINE OF THE GRID
EASTING INDICATED BY THE HORIZONTAL LINE OF THE GRID
THIS MAP IS NOT DRAWN TO SCALE AND IS NOT TO BE USED FOR NAVIGATION
THIS MAP IS NOT DRAWN TO SCALE AND IS NOT TO BE USED FOR NAVIGATION
THIS MAP IS NOT DRAWN TO SCALE AND IS NOT TO BE USED FOR NAVIGATION
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**INDOCHINA AND THAILAND 1:250,000
(VIETNAM, LAOS)**

 BEN GLANG

~~TOP SECRET-CHESS~~



L509
Edition 2-AMS (first)

CERN/EP/92-122-P-232, p.1

20 PLACES
10/10

LEADER LEGEND

Scale 1:250,000

CONTOUR INTERVAL 100 METERS WITH SUPPLEMENTARY CONTOURS AT 50 METER INTERVALS
TRANSFERS MEASURED BY ELEVATION

MUONG MAY

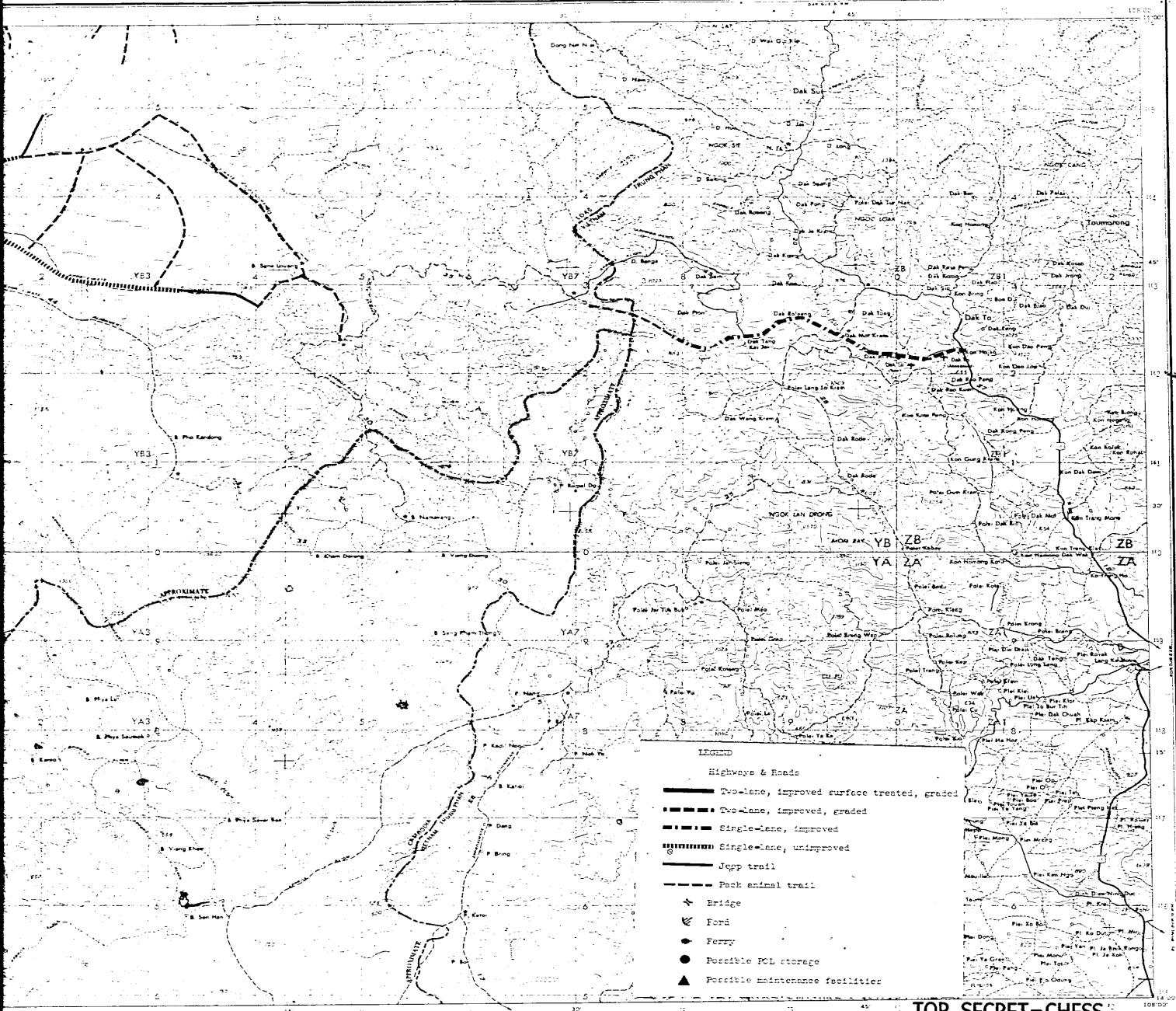
EDITION 2-1968

REFER TO THIS MAP AS

ND 48B

SEPT 1968

SERIES 1:250,000
SHEET NO. 48
EDITION 2-1968



TOP SECRET - CHESS

Scale 1:250,000

CONTOUR INTERVAL 100 METERS WITH SUPPLEMENTARY CONTOURS AT 50 METER INTERVALS
TRANSVERSE MERCATOR PROJECTION

LOCATION DIAGRAM FOR ND 48B, 1968	
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FRONTIER ARMY MAP SERVICE, CORPS OF ENGINEERS



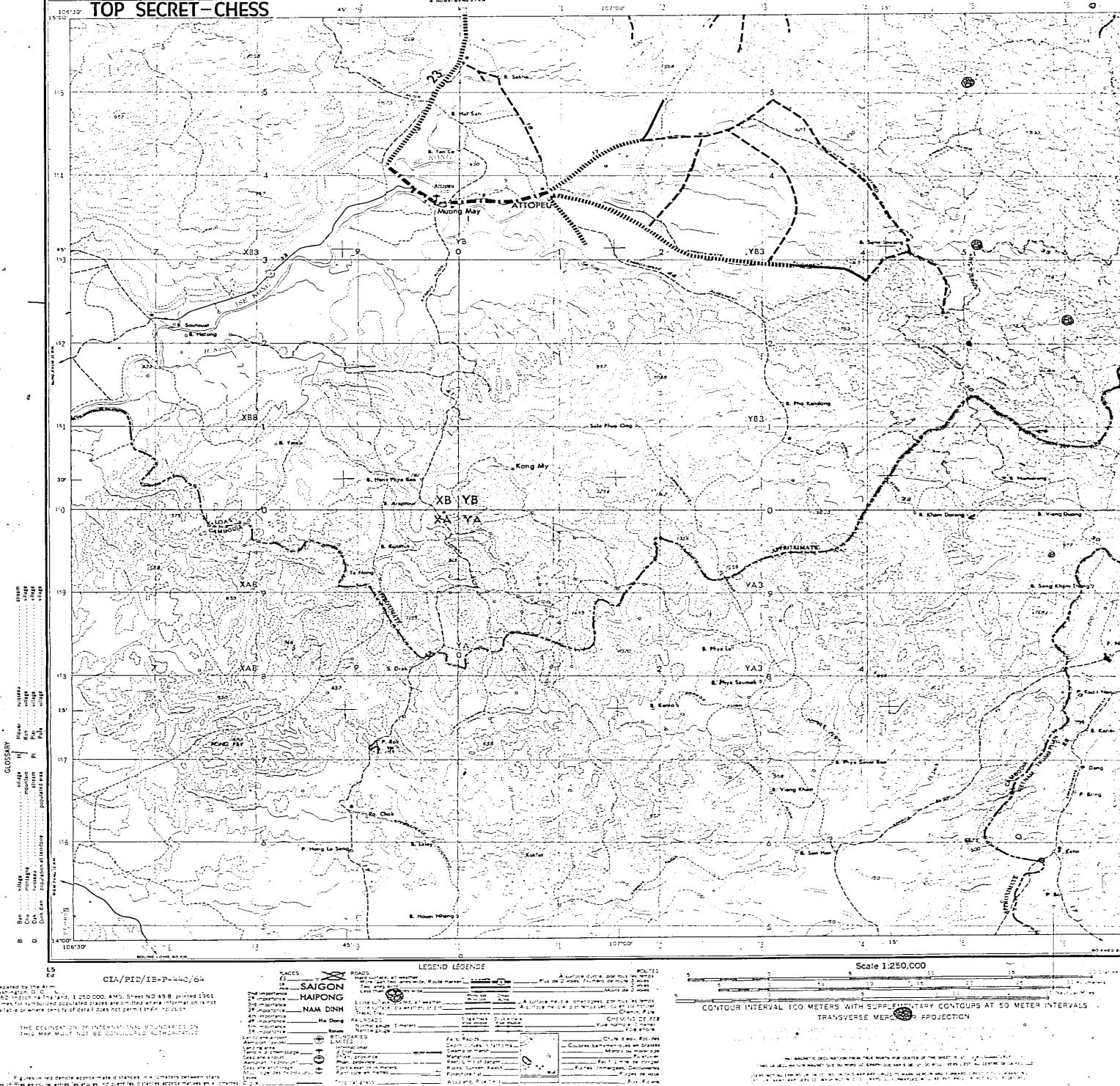
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 10-10-2018 BY 64102/SP/MS/AMC/NSIC

MUONG MAY, LAOS; VIETNAM; CAMBODIA

**INDOCHINA AND THAILAND 1:250,000
(LAOS-VIETNAM-CAMBODIA) -**

MUONG MAY

TOP SECRET-CHESS



**INDOCHINA AND THAILAND 1:250,000
(LAOS-THAILAND-VIETNAM)**

TCHEPONE

TOP SECRET - CHESS

LEGEND

- Highways & Roads

 - Two-lane, improved surface treated, graded
 - - - - Two-lane, improved, graded
 - - - Single-lane, improved
 - ***** Single-lane, unimproved
 - Jeep trail
 - - - Pack animal trail

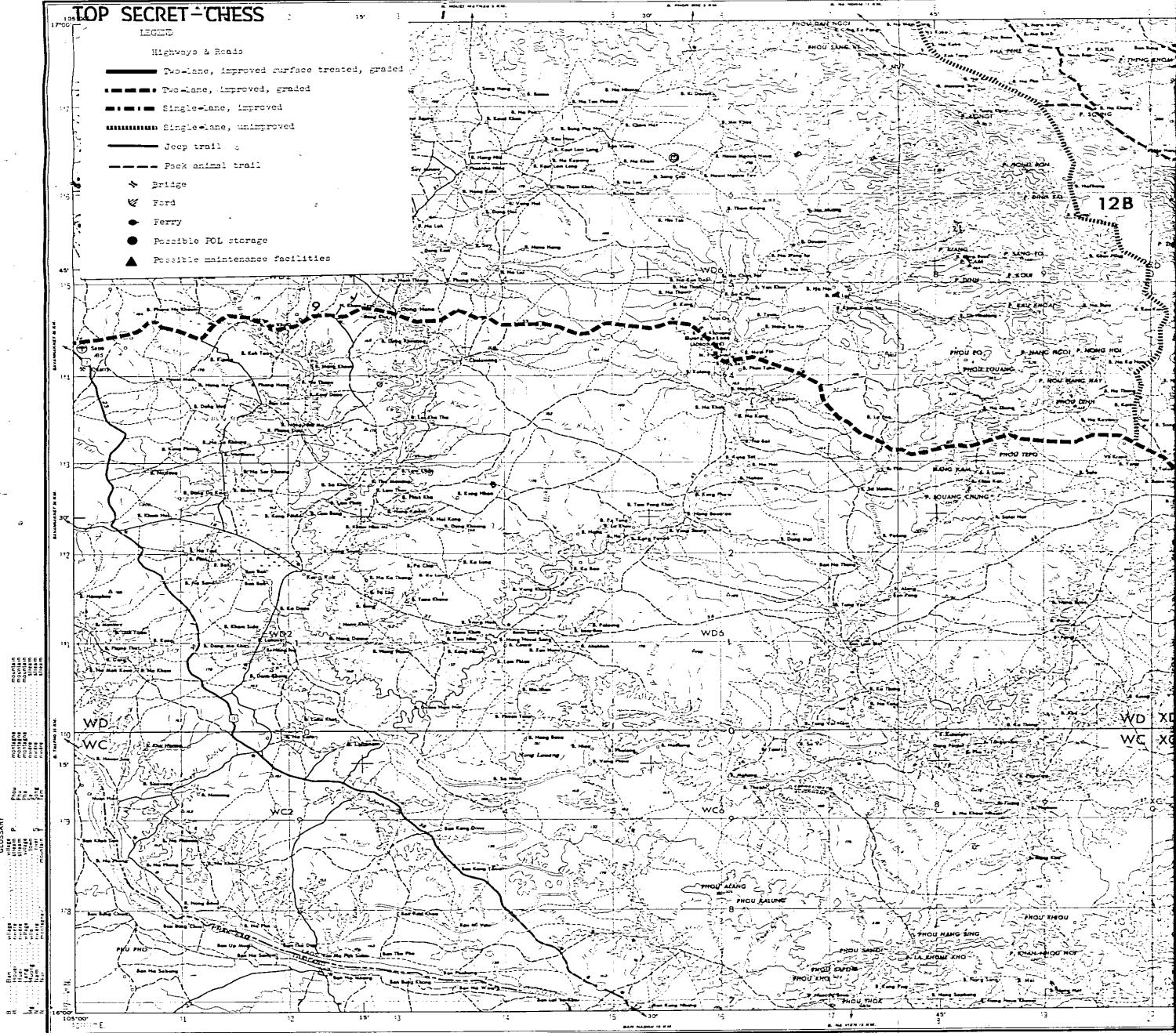
◆ Bridge

☒ Ford

● Ferry

● Possible POL storage

▲ Possible maintenance facilities



* THE DELINEATION OF INTERNATIONAL BOUNDARIES ON THIS MAP MUST NOT BE CONSIDERED AUTHORITY.

The figures in red denote approximate distances in kilometers between stations.

	ROUTE
surface duree, par tous les temps	
route, numero de route 3 et 4 routes	
— Marca de 2 voies	
a amorcez, par tous les temps	
— par temps sec, ou au matin	Chemin, Rue
	CHEMINS DE FER
Vous allez à l'ouest	Marque de 2 voies
On va à l'est, Rues des	
— Rue de la Salle	
— Marca de 2 voies	
— Rue du Pauvre	
Facil à déborder	
Rues Interrogées, Découvertes	
— Pages de voies	
	BUS, Taxis

SCALE 1:250,000
0 5 10 15 20 25 30
CONTOUR INTERVAL 100 METERS WITH SUPPLEMENTARY CONTOURS AT 50 METER INTERVALS
TRANSVERSE MERCATOR PROJECTION



TCHEPONE

EDITION 2-AMS

REFER TO THIS MAP AS:
NE 48-15
SERIES L605SERIES L605
SHEET NE 15
EDITION 2-AMS

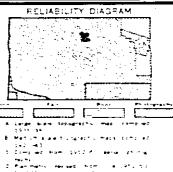
12B

Maintenance ends — here to border

Detailed study not possible due to obliquity

TOP SECRET—CHESS

SCALE 1:250,000

CONTOUR INTERVAL 100 METERS WITH SUPPLEMENTARY CONTOURS AT 50 METER INTERVALS
TRANSVERSE MERCATOR PROJECTIONLOC. LOCATION DIAGRAM FOR NE 48-15

B-42 PRINTED BY ARMY MAP SERVICE-CORPS OF ENGINERS

TCHEPONE, LAOS; THAILAND; VIETNAM

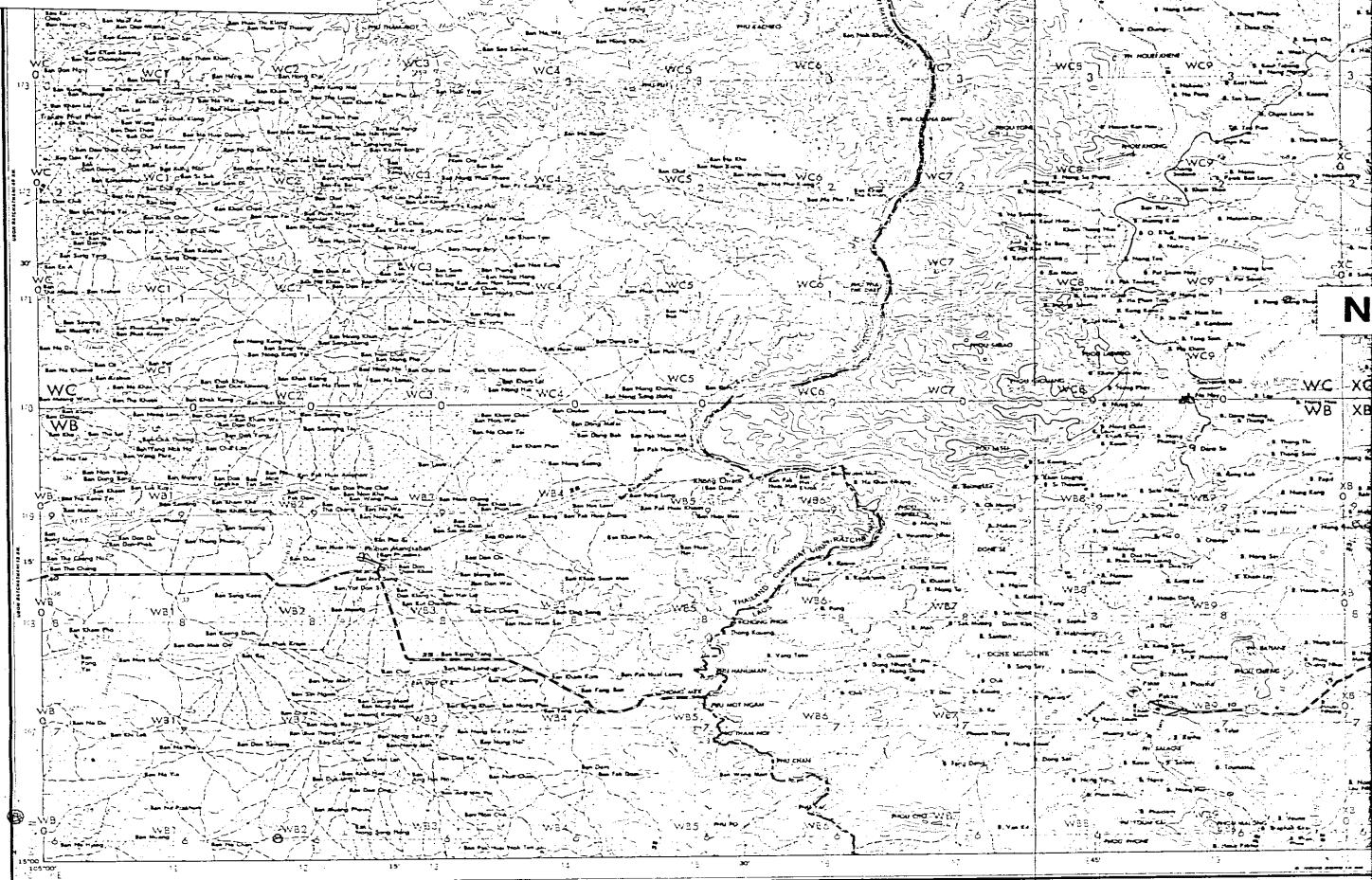
INDOCHINA AND THAILAND 1:250,000

SARAVANE

~~TOP SECRET-CHESS~~

LEGEND

- Highways & Roads
 - Two-lane, improved surface treated, graded
 - Two-lane, improved, graded
 - Single-lane, improved
 - Single-lane, unimproved
- Jeep trail
- Pack animal trail
- Bridge
- Ford
- Ferry
- Possible POL storage
- Possible maintenance facilities



L509
L510

CIV/PID/IB-P-438/04

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SARAVANE

EDITION 2-AMS

REFER TO THIS MAP AS
ND 48-3
SERIES L509

REF ID: A657
SERIAL NO 483
EDITION 2 AMS

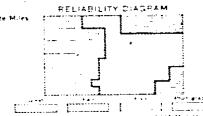
NO PHOTO COVERAGE

~~TOP SECRET-CHESS~~

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CONTOUR INTERVAL 100 METERS WITH SUPPLEMENTARY CONTOURS AT 50 METER INTERVALS

TRANSVERSE MERCATOR PROJECTION



		GLOSSARY
B	Ben	village
	Champ	subdivision
	Champ	administration primitive
H	Hong	river
	Hong	river
	Hong	river
	Lam	ridge
	Max	farm
N	Nan	ridge
	Pra	ridge
	Pra	mountain
	Pra	montagne
	Pra	colline montagne
Pn	Pra	plateau

RECORDED AND INDEXED IN THE BUREAU OF INVESTIGATION, U. S. DEPARTMENT OF JUSTICE, WASHINGTON, D. C., ON APRIL 1, 1934. FILED IN THE RECORDS OF THE BUREAU OF INVESTIGATION, U. S. DEPARTMENT OF JUSTICE, WASHINGTON, D. C., ON APRIL 1, 1934.

SARAVANE, LAOS; THAILAND.